

The right chemistry for complementary materials

Systems for surface design and finishing

Cologne – At this year's All China Leather Exhibition (ACLE), which will take place from September 3 to 5, 2019, in Shanghai, China, specialty chemicals company LANXESS will present a new system offering for functional coatings under the name Pellart.

“Our offering specifically does not use leather as a substrate,” stressed Dr. Rita Dicke, head of the OLC – Functional Coatings integrated business platform in the LANXESS Leather business unit. Dicke went on to explain that the aim was rather to make coating systems for the production of high-quality surfaces accessible to customers that process other substrates besides leather. For this purpose, LANXESS is bundling its many years of experience plus extensive application technology and analytical expertise in base products and additives to formulate such functional coatings. To make surface design as easy as possible for customers, LANXESS is offering individually developed system solutions that are ready to use immediately.

Systematically high-quality surfaces

It is an art to incorporating the many and varied options for the design of flexible surfaces in the formulation of a coating system. The fact that LANXESS experts have mastered this art lays the foundation for high-quality, customer-oriented intermediates and end products. The new Pellart products take this into account.

An important area of application for such coatings is vehicle interiors, such as seats, door trims, roof linings and the surfaces of instrument panels. The requirements for the feel, gloss level plus temperature and abrasion resistance, simultaneously combined with the lowest possible concentrations of volatile organic compounds (VOC), are especially strict in this area. “This presents a particularly good

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Page 1 of 4

opportunity for us to prove what we are capable of,” said Dicke, with confidence.

Tailor-made for substrate, application and processing technology

The experience that LANXESS has been able to gain over decades of working with leather is an important basis on which to now develop impressive solutions for customers on other substrates using Pellart. Building on carefully designed and tried-and-tested basic formulations, these can promptly be made available to customers.

In addition to various plastics – such as polyvinyl chloride (PVC), thermoplastic polyolefins (TPO) and polyurethane (PUR) – textiles are also of great importance as flexible coating carriers. Carrier layers made of microfibers, for example, achieve particularly attractive property profiles regarding haptics and durability. This is demonstrated by a low-VOC microfiber fleece for scooter seats that is coated using Pellart. Such a prototype will be on show at the LANXESS trade show stand at the ACLE.

LANXESS is a leading specialty chemicals company with sales of EUR 7.2 billion in 2018. The company currently has about 15,400 employees in 33 countries and is represented at 60 production sites worldwide. The core business of LANXESS is the development, manufacturing and marketing of chemical intermediates, additives, specialty chemicals and plastics. LANXESS is listed in the leading sustainability indices Dow Jones Sustainability Index (DJSI World and Europe) and FTSE4Good.

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Page 2 of 4

News Release

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You can find further information concerning LANXESS chemistry in our WebMagazine at <http://webmagazine.lanxess.com>.

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Page 3 of 4

Images



Low-VOC microfiber fleece coated using Pellart on a scooter seat.

Photo: LANXESS AG

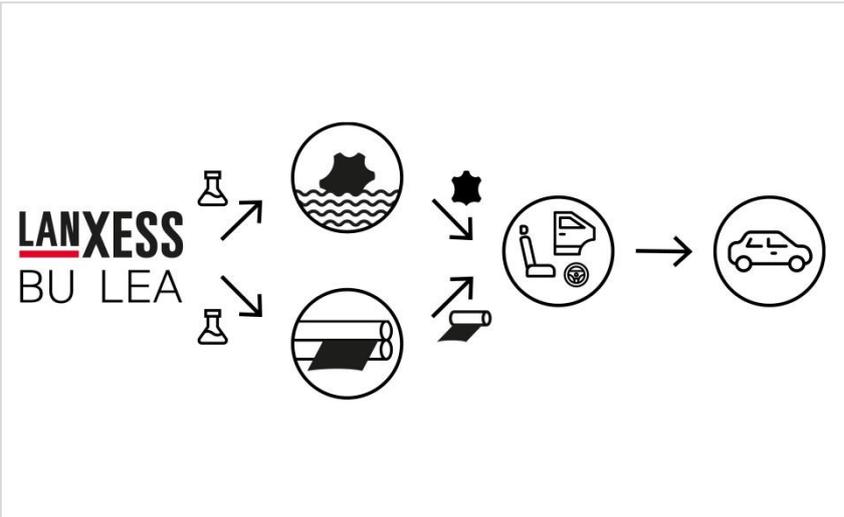


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Page 4 of 4

In the application technology laboratory at LANXESS, semi-finished sample products can be produced for a wide range of tests under realistic conditions. Formulations and processing technology can thus be customized. Photo: LANXESS AG



Leather and other materials are often used alongside each other – and thus complementing each other – as semi-finished products for manufacturing assemblies, such as for seats in automotive production. Photo: LANXESS AG